

From: "Zhen, Davis"  
To: "Sheldrake, Sean" <sheldrake.sean@epa.gov>  
"Scott Coffey" <coffeyse@cdmsmith.com>  
younghs@cdmsmith.com  
Date: 4/24/2018 9:28:16 AM  
Subject: Fwd: Sediment sampling data and procedures

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FYI

Thanks,

Sent from my iPhone, please excuse typos

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Begin forwarded message:

**From:** Zhen.Davis@epa.gov  
**Date:** April 23, 2018 at 4:52:30 PM PDT  
**To:** ken.tyrrell@aecom.com  
**Subject:** Sediment sampling data and procedures

Ken,

Per conversations earlier today, EPA appreciates the information provided on 4/20/2018; however, the information is not sufficient for assessing the challenges of power grab refusal prior to reaching the 30 cm target depth due to hard sediment. In addition, the sample data only extends to 4/10/2018 but EPA must have up to date information through 4/20/2018 on all sediment grab samples. Please provide the following information for all samples collected through 4/22/2018:

- All attempted grabs for the project through 4/22/2018
- Grab sample ID
- Coordinates of all attempted grabs
- Grab in the Primary 25-foot radius, contingency 25 to 50-foot radius, Alternative 1 or Alternative 2 location
- Penetration depth
- Reason for not achieving 20 to 30 cm (e.g. rock, wood, cobble in jaws, washout, man-made structure in the sample area)
- Sediment type
- Whether or not the grab was input to the composite (when the new sampling protocol is implemented we will need tracking information on what grabs go into the "thin" and "thick" composite samples)

EPA requires this information to assess the issue of equipment-based bias resulting from

frequent need to move to contingency grab locations when the power grab experiences refusal in hard sediment at <20 cm. EPA requires this information through 4/20/2018 right away and updates on a weekly basis.

Additionally, EPA has determined that the alternative surface sediment sampling plan proposed on 4/20/2018 does not meet the requirements requested by EPA. Please see my email on Friday 4/20 for details. For situations where power grab refusal is encountered in hard sediment at depths <20 cm, your staff may choose to implement EPA's requested plan or proceed to the next randomized location and revisit and resample the hard sediment location at a later date until an alternate plan is approved by the EPA.

Thanks,

Sent from my iPhone, please excuse typos

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